

ABSTRACT OF THE DISCLOSURE

This automatic clutch control device selects a normal mode when a road friction coefficient is not less than 0.3 at a disconnecting operation starting point (time t_1), selects a little low-speed mode when it is not less than 0.1 but less than 0.3 and selects a low-speed mode when it is less than 0.1. Further, when a vehicle stabilizing control such as a traction control or the like is not executed at the time t_1 , this device selects the normal mode, while when a vehicle stabilizing control is executed at the time t_1 , it selects the low-speed mode. Moreover, this device selects a high-speed mode when the vehicle is in a sports running mode at the time t_1 , while selects the normal mode when the vehicle is not in the sports running mode. A connecting operation of a clutch is performed with a speed corresponding to the selected mode in an automatic clutch connecting/disconnecting control by a clutch connecting/disconnecting actuator upon executing a gear-shift control.